

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S174	2246	((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic or directional) near3 (speaker))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/21 20:42
S175	2953	((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic or directional) near3 (loudspeaker spkr speaker))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/21 20:42
S176	3733	((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker))) or (directional with speaker) or ((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional with speaker)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/21 20:46
S177	4361	S176 S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/21 20:46
S178	14201	455/556.1.ccls. 455/556.2.ccls. 455/557.ccls. 455/575.1.ccls. 455/575.9.ccls. 455/350.ccls. 455/90.1. ccls. 455/344.ccls. 455/66.1.ccls. 455/550.1.ccls. 455/90.3.ccls. 379/433.02.ccls. 455/569.1.ccls. 455/569.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/21 20:48

S179	2025	381/77.ccls. 381/79.ccls. 381/356.ccls. 367/137.ccls. 367/138.ccls. 381/334.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/21 20:50
S180	14201	455/556.1.ccls. 455/556.2.ccls. 455/557.ccls. 455/575.1.ccls. 455/575.9.ccls. 455/350.ccls. 455/90.1.ccls. 455/344.ccls. 455/66.1.ccls. 455/550.1.ccls. 455/90.3.ccls. 379/433.02.ccls. 455/569.1.ccls. 455/569.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 10:49
S181	2025	381/77.ccls. 381/79.ccls. 381/356.ccls. 367/137.ccls. 367/138.ccls. 381/334.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 10:49
S182	16176	S180 S181	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 10:49
S183	3733	((((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker))) or (directional with speaker) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional with speaker)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 10:49
S184	193	S182 and S183	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 10:49
S185	9	("20030108207"   "20030215103"   "4332978"   "5159703"   "6678381"   "6678383"   "6807281"   "7224808"   "7236754").PN.	US-PGPUB; USPAT	OR	ON	2010/05/22 11:30

S186	52	( "20010055397"   "20020012441"   "20020048382"   "20020048385"   "20020054689"   "20020090099"   "20020090103"   "20020183648"   "20020191807"   "20030035552"   "20030091200"   "20030092377"   "20030118198"   "20030182104"   "20040204168"   "3974335"   "4128738"   "4622440"   "4823908"   "4955729"   "5313663"   "5321758"   "5357578"   "5526411"   "5572575"   "5648824"   "5793875"   "5802190"   "5819183"   "5828768"   "5835732"   "5943430"   "6011855"   "6058315"   "6086541"   "6151398"   "6169813"   "6243472"   "6275596"   "6322521"   "6363139"   "6445804"   "6453045"   "6477258"   "6496205"   "6535612"   "6584205"   "6631196"   "6643377"   "6650755"   "6895261"   "7013009").PN.	US-PGPUB; USPAT	OR	ON	2010/05/22 11:44
S187	664	(S182) and (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic or supersonic or (super adj sonic))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 11:52
S188	599	S187 not S184	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 11:52

S189	8	("20020067408" "6424369" "20080114224" "6850623").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 12:03
S190	233	381/387.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 12:55
S195	2	("20030026439"   "7269452").PN.	US-PGPUB; USPAT	OR	ON	2010/05/22 13:18

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S191	14375	455/556.1.ccls. 455/556.2.ccls. 455/557.ccls. 455/575.1.ccls. 455/575.9.ccls. 455/350.ccls. 455/90.1.ccls. 455/344.ccls. 455/66.1.ccls. 455/550.1.ccls. 455/90.3.ccls. 379/433.02.ccls. 455/569.1.ccls. 455/569.2.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/05/22 12:49
S192	1909	381/77.ccls. 381/79. ccls. 381/356.ccls. 367/137.ccls. 367/138.ccls. 381/334.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/05/22 12:49
S193	16234	S191 S192	US-PGPUB; USPAT; UPAD	OR	ON	2010/05/22 12:50
S194	28	S193 and (((((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic or supersonic or (super adj sonic)))) and (speaker transducer loudspeaker spkr ldspkr loud adj speaker) and (portable hand held handheld mobile)). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/05/22 12:51

---

**5/ 22/ 2010 1:20:15 PM**

**C:\ Documents and Settings\ kblair\ My Documents\ EAST\ Workspaces\ 10826531.wsp**